

2006 CSP Job Sheet IN-EWM-1 Irrigation Water Management

Irrigation Water Management Job Sheet

Client:

Date:

Watershed:

Tract No.:

Farm No.:

Field No.:

This job sheet is to be used with the Conservation Security Program (CSP) where irrigation is being managed. Enhancement activities refer to actions that provide resource benefits beyond the level prescribed by NRCS Irrigation Water Management conservation practice standard. Irrigation Water Management activities control the volume, frequency, and application rate of water applied to crops.

Table 1. Agreed to Enhancements (see categories on page 2)

Irrigation Enhancement Category	Required Actions or Maintenance
Irrigation System Type:	
Improved Water Measurement:	
Improved Soil Moisture Monitoring and Irrigation Scheduling:	
Improved Water Distribution:	
Improved Water Conveyance:	
Improved Land Leveling:	
Adding Tailwater Recovery and Reuse:	

Additional Requirements:

All existing items above that qualified the fields must be maintained. Changes in the irrigation system will affect your index and should be discussed with an NRCS Conservationist to insure that you will maintain eligibility. Improvements in system efficiency can increase your score and may increase your payment.

Producer Certification:

The CSP Participant will certify this activity annually by signing an annual payment certification letter and submitting it to the NRCS office servicing the contract.

Checklist of Agreed-To Practices: (check one in each category)

Irrigation System Type

Sprinkler

- Big Gun or Boom
- Hand Line or Wheel Line
- Solid Set (above canopy)
- Solid Set (below canopy)

Center Pivot

- Generic
- Low Pressure Improved
- LEPA
- LESA
- LPIC
- MESA
- Variable Rate Irrigation (VRI)

Lateral Move

- Generic
- LEPA, LESA, LPIC, MESA

Micro

- Point Source
- Sprays
- Continuous Tape
- Subsurface Drip irrigation

Subirrigation

- Subirrigated

Measuring Device

- No Flow Measuring device
- whole farm-manually recorded
- whole farm-automatic recorded
- whole farm plus individual field manual
- whole farm plus individual field automatic recorded

Method of Scheduling Irrigation

- Visual crop stress
- Soil moisture by NRCS feel method
- Check book scheduling, irrigation scheduler, etc
- Irrigation scheduling via pan evaporation or atmometer for field
- Irrigation scheduling via regional weather network
- Soil moisture using Gypsum blocks, moisture probe, etc
- Continuous measurement of soil moisture, water applied and ET

Ability to Control Water Distribution

- Very poor diversion facilities. Little control of flow rate to farm
- Can control flow rates to farm, but the on-farm delivery system is such that it is very hard to deliver the desired flow to any given field.
- Flow rates to each field are adequately controlled.
- Flow rates to each set are difficult to control
- All flow rates to each set are adequately controlled

Water Conveyance

- Open ditch or canal - sand/gravel
- Open ditch or canal - sandy loam
- Open ditch or canal - clay soil
- Open canal – lined
- Closed conduit pipeline

Precision of Land Slope

- Land smoothed
- Land leveled
- Land precision leveled
- Land precision leveled - slope \leq .005
- A sprinkler system is utilized

Tailwater Capture and Reuse

- No Tailwater or Tailwater not captured
- Irrigation System Type less than or equal to 60
- Irrigation System Type between 61 and 80
- Irrigation System Type greater than 80

The United States Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W Whitten Building, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.